

HP StorageWorks

C-FCSWAPI SDK Bridge Agent installation instructions

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About this guide

These instructions provide information to help you:

- Install the C-FCSWAPI Bridge Agent software on a Microsoft Windows OS.
- Remove the C-FCSWAPI Bridge Agent.

Intended audience

This book is intended for use by administrators who are experienced with the following:

- Fibre Channel technology
- HP StorageWorks Fibre Channel switches

Related documentation

For a list of corresponding documentation, see the *HP StorageWorks HA-Fabric Manager release notes*.

The latest information, documentation, and firmware is available on the following HP web site:
<http://h18006.www1.hp.com/storage/saninfrastructure.html>.





Information about Fibre Channel standards is available on the following Fibre Channel Industry Association web site: <http://www.fibrechannel.org>.

These and other HP documents can be found on the HP documents web site:
<http://www.docs.hp.com>.

Document conventions and symbols


Table 1 Document conventions

Convention	Element
Medium blue text: Figure 1	Cross-reference links and e-mail addresses
Medium blue, underlined text (http://www.hp.com)	Web site addresses
Bold font	<ul style="list-style-type: none">• Key names• Text typed into a GUI element, such as into a box• GUI elements that are clicked or selected, such as menu and list items, buttons, and check boxes
<i>Italics font</i>	Text emphasis
Monospace font	<ul style="list-style-type: none">• File and directory names• System output• Code• Text typed at the command-line
<i>Monospace, italic font</i>	<ul style="list-style-type: none">• Code variables• Command-line variables
Monospace, bold font	Emphasis of file and directory names, system output, code, and text typed at the command line

-  **WARNING!** Indicates that failure to follow directions could result in bodily harm or death.
-  **CAUTION:** Indicates that failure to follow directions could result in damage to equipment or data.
-  **IMPORTANT:** Provides clarifying information or specific instructions.
-  **NOTE:** Provides additional information.

 **TIP:** Provides helpful hints and shortcuts.

Rack stability

 **WARNING!** To reduce the risk of personal injury or damage to equipment:

- Extend leveling jacks to the floor.
 - Ensure that the full weight of the rack rests on the leveling jacks.
 - Install stabilizing feet on the rack.
 - In multiple-rack installations, secure racks together.
 - Extend only one rack component at a time. Racks may become unstable if more than one component is extended.
-

HP technical support

Telephone numbers for worldwide technical support are listed on the HP support web site:
<http://www.hp.com/support/>.

Collect the following information before calling:

- Technical support registration number (if applicable)
- Product serial numbers
- Product model names and numbers
- Applicable error messages
- Operating system type and revision level
- Detailed, specific questions

For continuous quality improvement, calls may be recorded or monitored.

HP strongly recommends that customers sign up online using the Subscriber's choice web site at
<http://www.hp.com/go/e-updates>.

- Subscribing to this service provides you with e-mail updates on the latest product enhancements, newest versions of drivers, and firmware documentation updates as well as instant access to numerous other product resources.
- After signing up, you can quickly locate your products by selecting **Business support** and then **Storage** under Product Category.

HP-authorized reseller

For the name of your nearest HP-authorized reseller:

- In the United States, call 1-800-345-1518.
- Elsewhere, visit the HP web site: <http://www.hp.com>. Then click **Contact HP** to find locations and telephone numbers.

Helpful web sites

For third-party product information, see the following HP web sites:

- <http://www.hp.com>
- <http://www.hp.com/go/storage>
- <http://www.hp.com/support/>
- <http://www.docs.hp.com>

1 Installation instructions

This document provides instructions for installing and uninstalling the Bridge Agent used by the C-FCSWAPI Software Development Kit (SDK). These instructions pertain only to the Microsoft Windows operating systems. This chapter contains the following sections:


- [C-FCSWAPI Bridge Agent overview](#), page 9
- [Installing the C-FCSWAPI Bridge Agent](#), page 9
- [Removing the C-FCSWAPI Bridge Agent](#), page 9

C-FCSWAPI Bridge Agent overview

The C-based Fibre Channel switch application programming interface (C-FCSWAPI) is a library of switch-management functions callable from an application program written in C or C++. C-FCSWAPI enables software to communicate with switches, instead of requiring a user to interact manually with a graphical user interface (GUI) or command line interface (CLI).

C-FCSWAPI proxy connections route data from the C-FCSWAPI library to the C-FCSWAPI Bridge Agent and then from the C-FCSWAPI Bridge Agent to HAFM. To support this connection type, the C-FCSWAPI Bridge Agent must be installed on the HAFM appliance where HAFM is installed.

Installing the C-FCSWAPI Bridge Agent

 **NOTE:** Only one Bridge Agent can function on a system. Before installing the C-FCSWAPI Bridge Agent, remove any Bridge Agent that exists on the system.

To install the C-FCSWAPI Bridge Agent, use the following procedure:

1. Insert the installation CD into the CD-ROM drive.
2. Double-click the `/Open Bridge Agent Installer/ BridgeAgentInstall.exe` file.
The installer program opens and guides you through the installation process.
3. Click **Next** at the Introduction window. The Important Information window is displayed.
4. Click **Install**.

The installer starts the Bridge Agent and portmap as system services.

Removing the C-FCSWAPI Bridge Agent

To remove the Bridge Agent for Windows, perform the following procedure:

1. Click **Start > Settings > Control Panel**. The Control Panel window is displayed.
2. Double-click **Add/Remove Programs**. The Add/Remove Programs window is displayed.
3. Select the Bridge Agent program and click **Change/Remove**.

